

# Wingfield Environmental Inc.

P.O. Box 8957, Gray Tennessee 37615

TNG830166  
PJH

November 11, 2011

Tennessee Division of Water Pollution Control  
Enforcement and Compliance Section  
Attention: Compliance Review  
6<sup>th</sup> Floor, L&C Annex  
401 Church Street  
Nashville, TN 37243

RE: *General NPDES Permit for Discharge of Treated Groundwater Associated with UST  
Remediation  
Whole Effluent Toxicity Results for NPDES TNG830166  
By-Lo #1, 1245 Broadway Drive, Bean Station, Grainger County, Facility I.D. #2-290013*

Dear Sir or Madam:

On behalf of our client, Coffman Oil Company, we at Wingfield Environmental (WEI) would like to submit whole effluent toxicity testing results for the NPDES sampling at the above referenced site. The wet testing took place for the first three (3) consecutive months of operation using NPDES discharge. The first and third months of analytical results indicated both species' survival rate did not meet permit requirements. Therefore, we will request annual toxicity testing from the Division of UST for the duration of the permit. If you have any questions concerning this site, please call us at (423) 323-7969. Thank you.

Sincerely,



Chris Christian, P.G.  
Vice President

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CC/sf

Attachments

cc: Mr. Wayne Clifford - Knoxville TDEC Division of Underground Storage Tanks  
Nashville  
file/2106



12065 LEBANON RD.  
MT. JULIET, TN 37122  
(800) 767-5859  
WWW.ENVSCI.COM

July 29, 2011

Mr. Jim Wingfield  
Wingfield Environmental - By Lo #1  
PO Box 8957  
Gray, TN 37615

Biomonitoring Results  
ESC Lab Sciences Identification #: L525264-01,-02,-03

Attached are the results for toxicity test performed: July 12-19, 2011

A summary of the findings is presented below:

Test Species	<b><i>Ceriodaphnia dubia</i></b>	<b><i>Pimephales promelas</i></b>
Test Concentrations	6.25%, 12.5%, 25%, 50%, 100%	6.25%, 12.5%, 25%, 50%, 100%
Permit Limit	100%	100%
Test Endpoint	IC25	IC25
Test Result	19.8%	> 100%
	effluent fails to meet C.dubia requirements for the period	successfully meets permit requirements for the period
Next Test Date	August 14, 2011	
Comments	By Lo #1 (Bean Station, Grainger Co, TN)	

If you have any questions or comments concerning the enclosed report, please do not hesitate to contact us.

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Aquatic Biology Lab  
(615) 758-5858 ext. 9687  
(615) 758-5858 ext. 7546



12065 LEBANON RD.  
MT. JULIET, TN 37122  
(800) 767-5859  
WWW.ENVSCI.COM

September 1, 2011

Mr. Jim Wingfield  
Wingfield Environmental - By Lo #1  
PO Box 8957  
Gray, TN 37615

Biomonitoring Results  
ESC Lab Sciences Identification #: L531170-01,-02,-03

Attached are the results for toxicity test performed: August 16-23, 2011

A summary of the findings is presented below:

Test Species	<b><i>Ceriodaphnia dubia</i></b>	<b><i>Pimephales promelas</i></b>
Test Concentrations	6.25%, 12.5%, 25%, 50%, 100%	6.25%, 12.5%, 25%, 50%, 100%
Permit Limit	100%	100%
Test Endpoint	IC25	IC25
Test Result	> 100%	> 100%
	successfully meets permit requirements for the period	successfully meets permit requirements for the period
Next Test Date	<b>September 11, 2011</b>	
Comments	By Lo #1 (Bean Station, Grainger Co, TN)	

If you have any questions or comments concerning the enclosed report, please do not hesitate to contact us.

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**Aquatic Biology Lab**

(615) 758-5858 ext. 9687  
(615) 758-5858 ext. 7546

September 27, 2011

Mr. Jim Wingfield  
Wingfield Environmental - By Lo #1  
PO Box 8957  
Gray, TN 37615

**Biomonitoring Results**

ESC Lab Sciences Identification #: L535517-01,-02,-03

Attached are the results for toxicity test performed: September 13-20, 2011

A summary of the findings is presented below:

Test Species	<i>Ceriodaphnia dubia</i>	<i>Pimephales promelas</i>
Test Concentrations	6.25%, 12.5%, 25%, 50%, 100%	6.25%, 12.5%, 25%, 50%, 100%
Permit Limit	100%	100%
Test Endpoint	IC25	IC25
Test Result	<b>26.5%</b>	<b>19.6%</b>
	effluent fails to meet C.dubia requirements for the period	effluent fails to meet minnow requirements for the period
Next Test Date	<b>Please contact laboratory to schedule next test</b>	
Comments	By Lo #1 (Bean Station, Grainger Co, TN)	

If you have any questions or comments concerning the enclosed report, please do not hesitate to contact us.

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**ESC**  
L·A·B S·C·I·E·N·C·E·S

**Aquatic Biology Lab**

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